

~~A3233.ST25~~
SEQUENCE LISTING

<110> Marcireau, Christophe
Multon, Marie-Christine
Polard-Houset, Valerie

<120> MEKK1-INTERACTING FHA PROTEIN

<130> A3233

<140> 09/744,125

<141> 2001-01-19

<150> PCT/EP99/05142

<151> 1999-07-21

<150> 60/093,590

<151> 1998-07-21

<160> 16

<170> PatentIn version 3.0

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<212> DNA

<213> Homo sapiens

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ccctggactc accaagcgtg tgaagaagag taaacagcca cttcaggtga ccaaggatct	180
gggccgctgg aagcctgcaa atgacctoct gctcataaat gctgtgttgc agaccaacga	240
cctgacctcc gtccacctgg gcgtgaaatt cagctgccgc ttcaccttc gggagggtcca	300
ggagcgttgg tacgccctgc tctacgatcc tgtcatctcc aagttggcct gtcaggccat	360
gaggcagctg caccagagg ctattgcagc catccagagc aaggccctgt ttagcaaggc	420
tgaggagcag ctgctgagca aagtgggatc gaccagccag ccacacctgg agaccttcca	480
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gccc aaaggg gaccaagtgc tgaacttctc tgatgcagag gacctgattg atgacagtaa	660
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gaagcgagag attcggcagc tggaacagga actgcataag tggcaggtgc tagtggacag	780
catcacaggc atgagctctc cggacttcga caaccagaca ctggcagtg tgcggggccg	840
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<210> 2
 <211> 390
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 <213> Homo sapiens

<400> 2

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Val Pro Pro Ser Pro Ala Pro Ala Pro Gly Leu Thr Lys Arg Val Lys
35          40          45

Lys Ser Lys Gln Pro Leu Gln Val Thr Lys Asp Leu Gly Arg Trp Lys
50          55          60

Pro Ala Asn Asp Leu Leu Leu Ile Asn Ala Val Leu Gln Thr Asn Asp
65          70          75          80

Leu Thr Ser Val His Leu Gly Val Lys Phe Ser Cys Arg Phe Thr Leu
85          90          95

Arg Glu Val Gln Glu Arg Trp Tyr Ala Leu Leu Tyr Asp Pro Val Ile
100         105         110

Ser Lys Leu Ala Cys Gln Ala Met Arg Gln Leu His Pro Glu Ala Ile
115         120         125

Ala Ala Ile Gln Ser Lys Ala Leu Phe Ser Lys Ala Glu Glu Gln Leu
130         135         140

Leu Ser Lys Val Gly Ser Thr Ser Gln Pro Thr Leu Glu Thr Phe Gln
145         150         155         160

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Asp Leu Leu His Arg His Pro Asp Ala Phe Tyr Leu Ala Arg Thr Ala
165 170 175

Lys Ala Leu Gln Ala His Trp Gln Leu Met Lys Gln Tyr Tyr Leu Leu
180 185 190

Glu Asp Gln Thr Val Gln Pro Leu Pro Lys Gly Asp Gln Val Leu Asn
195 200 205

Phe Ser Asp Ala Glu Asp Leu Ile Asp Asp Ser Lys Leu Lys Asp Met
210 215 220

Arg Asp Glu Val Leu Glu His Glu Leu Met Val Ala Asp Arg Arg Gln
225 230 235 240

Lys Arg Glu Ile Arg Gln Leu Glu Gln Glu Leu His Lys Trp Gln Val
245 250 255

Leu Val Asp Ser Ile Thr Gly Met Ser Ser Pro Asp Phe Asp Asn Gln
260 265 270

Thr Leu Ala Val Leu Arg Gly Arg Met Val Arg Tyr Leu Met Arg Ser
275 280 285

Arg Glu Ile Thr Leu Gly Arg Ala Thr Lys Asp Asn Gln Ile Asp Val
290 295 300

Asp Leu Ser Leu Glu Gly Pro Ala Trp Lys Ile Ser Arg Lys Gln Gly
305 310 315 320

Val Ile Lys Leu Lys Asn Asn Gly Asp Phe Phe Ile Ala Asn Glu Gly
325 330 335

Arg Arg Pro Ile Tyr Ile Asp Gly Arg Pro Val Leu Cys Gly Ser Lys
340 345 350

Trp Arg Leu Ser Asn Asn Ser Val Val Glu Ile Ala Ser Leu Arg Phe
355 360 365

Val Phe Leu Ile Asn Gln Asp Leu Ile Ala Leu Ile Arg Ala Glu Ala
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Ala Lys Ile Thr Pro Gln
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<210> 3

<211> 669

<212> DNA

<213> Artificial

<220>

<223> Sequence of the insert of the plasmid pCM524

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tgtgtgatta ggagaaagta atgggtttgg tgagtacgta ttagtatctc tcacattggg 480
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<210> 4
 <211> 128
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 <213> Artificial

<220>
 <223> deduced amino acid sequence of the insert of the plasmid pCM524

<400> 4

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Leu Gln Glu Val Leu Glu Arg Glu Arg Arg Glu Leu Glu Lys Leu Tyr
          20          25          30
Gln Glu Arg Lys Met Ile Glu Glu Ser Leu Lys Ile Lys Ile Lys Lys
          35          40          45
Glu Leu Glu Met Glu Asn Glu Leu Glu Met Ser Asn Gln Glu Ile Lys
          50          55          60
Asp Lys Ser Ala His Ser Glu Asn Pro Leu Glu Lys Tyr Met Lys Ile
65          70          75          80
Ile Gln Gln Glu Gln Asp Gln Glu Ser Ala Asp Lys Ser Ser Lys Lys
          85          90          95
Met Val Gln Glu Gly Ser Leu Val Asp Thr Leu Gln Ser Ser Asp Lys
          100          105          110
Val Glu Ser Leu Thr Gly Phe Ser His Glu Glu Leu Asp Asp Ser Trp
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<210> 5
 <211> 669
 <212> DNA

<213> Artificial

<220>

<223> Insert of plasmid pCM482

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atcctcaaat atgagtggtt taacatttat ataaagtga aaacataggt taccaattag      180
ctgggagctc tcattccaagt ggtgattcag taatccaggc tcctttcatt ttgtggctcc      240
tctatattca acatataact actgaagtca ttgctgacag cagcatggga aatcccagta      300
ggaatttttt tatgggataa ccttggaagt attgccaac acttcctcct aaattctatt      360
gttcagaaat cagacacaaa atctcactta agcaaggaag cctgaaaaat gtagtagaac      420
tgtgtgatta ggagaaagta atgggttttg tgagtacgta ttagtatctc tcacattggg      480
agaaatggct ttttatatgt ttttaagaaa caaattttgt tatctttctc tccattggct      540
ccattgcccc agcaaagtag tagaacaaaa ataatatatt ttaaaattta acattatata      600
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<210> 6

<211> 50

<212> PRT

<213> Artificial

<220>

<223> Deduced amino acid sequence of insert of plasmid pCM482

<400> 6

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Trp Gln Val Phe Phe Val Ser Lys Asn Glu Phe Leu Leu Asn Lys Val
          20           25           30

Ile Val Ala Ile Val Thr Asn Lys Ser Ser Asn Met Ser Gly Leu Thr
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Phe Ile
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<210> 7

<211> 1914

<212> DNA

<213> Murinae gen. sp.

<400> 7

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caccttcact cctgtgtctc cagctgatta gcctcagact cttcttttat tgtttttctt 1860

ttgtaaataa aaagcaccag gttccaaagt aaaaaaaaaa aaaaaaaact cgag 1914

<210> 8

<211> 462

<212> PRT

<213> Murinae gen. sp.

<400> 8

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20 25 30

Arg Ala Ser Ser Gln Ala Leu Gly Thr Ile Pro Lys Arg Arg Ser Ser
35 40 45

Ser Arg Phe Ile Lys Arg Lys Lys Phe Asp Asp Glu Leu Val Glu Ser
50 55 60

Ser Leu Ala Lys Ser Ser Thr Arg Ala Lys Gly Ala Ser Gly Val Glu
65 70 75 80

Pro Gly Arg Cys Ser Gly Ser Glu Pro Ser Ser Ser Glu Lys Lys Lys
85 90 95

Val Ser Lys Ala Pro Ser Thr Pro Val Pro Pro Ser Pro Ala Pro Ala
100 105 110

Pro Gly Leu Thr Lys Arg Val Lys Lys Ser Lys Gln Pro Leu Gln Val
115 120 125

Thr Lys Asp Leu Gly Arg Trp Lys Pro Ala Asp Asp Leu Leu Leu Ile
130 135 140

Asn Ala Val Leu Gln Thr Asn Asp Leu Thr Ser Val His Leu Gly Val
145 150 155 160

Lys Phe Ser Cys Arg Phe Thr Leu Arg Glu Val Gln Glu Arg Trp Tyr
165 170 175

Ala Leu Leu Tyr Asp Pro Val Ile Ser Lys Leu Ala Cys Gln Ala Met
180 185 190

Arg Gln Leu His Pro Glu Ala Ile Ala Ala Ile Gln Ser Lys Ala Leu
195 200 205

Phe Ser Lys Ala Glu Glu Gln Leu Leu Ser Lys Val Gly Ser Thr Ser
210 215 220

Gln Pro Thr Leu Glu Thr Phe Gln Asp Leu Leu His Arg His Pro Asp
225 230 235 240

Ala Phe Tyr Leu Ala Arg Thr Ala Lys Ala Leu Gln Ala His Trp Gln

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245

250

255

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 Pro Lys Gly Asp Gln Val Leu Asn Phe Ser Asp Ala Glu Asp Leu Ile
 275 280 285
 Asp Asp Ser Lys Leu Lys Asp Met Arg Asp Glu Val Leu Glu His Glu
 290 295 300
 Leu Met Val Ala Asp Arg Arg Gln Lys Arg Glu Ile Arg Gln Leu Glu
 305 310 315 320
 Gln Glu Leu His Lys Trp Gln Val Leu Val Asp Ser Ile Thr Gly Met
 325 330 335
 Ser Ser Pro Asp Phe Asp Asn Gln Thr Leu Ala Val Leu Arg Gly Arg
 340 345 350
 Met Val Arg Tyr Leu Met Arg Ser Arg Glu Ile Thr Leu Gly Arg Ala
 355 360 365
 Thr Lys Asp Asn Gln Ile Asp Val Asp Leu Ser Leu Glu Gly Pro Ala
 370 375 380
 Trp Lys Ile Ser Arg Lys Gln Gly Val Ile Lys Leu Lys Asn Asn Gly
 385 390 395 400
 Asp Phe Phe Ile Ala Asn Glu Gly Arg Arg Pro Ile Tyr Ile Asp Gly
 405 410 415
 Arg Pro Val Leu Cys Gly Ser Lys Trp Arg Leu Ser Asn Asn Ser Val
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<210> 11

<211> 26

<212> DNA

<213> Artificial

<220>

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<210> 13

<211> 56

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26

<210> 15

<211> 53

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<220>

<223> primer

<400> 15

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53

<210> 16

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53